

KOREAN INTELLECTUAL PROPERTY OFFICE

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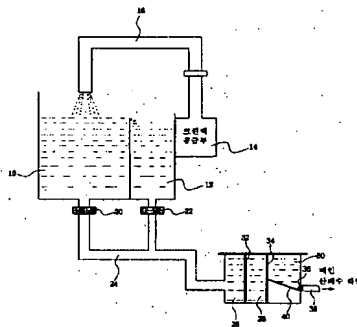
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(54) FILTERING APPARATUS FOR PREVENTING COUNTERFLOW OF DRAIN LINE IN PART CLEANING EQUIPMENT

(57) Abstract:

PURPOSE: A filtering apparatus for preventing counterflow of a drain line in a part cleaning equipment is provided to prevent clogging of the inner part of a wastewater pipe by filtering acidic wastewater drained into the drain line during part cleaning in the part cleaning equipment.

CONSTITUTION: In a filtering apparatus for preventing counterflow of a drain line in a part cleaning equipment equipped with a clean solution supply part(14) storing deionized water or chemicals and supplying the deionized water or chemicals through a goose neck (16) cleaning part cleaning, a water bath(10) cleaning the part supplied through the goose neck(16) and discharging the cleaned wastewater, and an overflow bath(12) receiving and discharging wastewater overflowed from the water bath(10), the filtering apparatus comprises a first filtering net(20) which is installed on the drain line(24) connected to the water bath(10) to filter polymer dregs and impurities mixed in wastewater discharged from the water bath(10) so that only the deionized water and chemicals flow through the drain line(24); and a second filtering net(22) which is installed on the drain line(24) connected to the overflow bath(12) to filter polymer dregs and impurities mixed in wastewater discharged from the overflow bath(12) so that only the deionized water and chemicals flow through the drain line(24).



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